EMC-23 Ultrastructural Changes in Cells of Chicken Egg Blastoderms and Embryos under conditions of prolonged storage

Technical procedure for fixation by I. Kosin

Fixation for about 2 hours at room temperature in 3% Glutaraldehyde in 0.1M Phosphate buffer. Tissue samples were rinsed in 0.1M Phosphate buffer overnight in cold and then post-fixed in 1% Osmium Tetroxide, for 2 hours , in 0.1M Phosphate buffer . The samples were then rinsed in dist. water to remove the excess Osmium and buffer and then Stained in 0.5% Uranyl Acetate for 10 min. The samples were then rinsed again in dist. water for 1 min. to remove the excess U.A.

Dehydration in Alcohol

Propylene Alcohol

Epon Embedment

EMC-23 A-G were fixed by other methods. These number may be later used

EMC 23 A

EMC 23 B

EMC 23 C

EMC 23 D

EMC 23 E

EMC 23 F

EMC 23 G

EMC 23 H - Fresh blastoderm incubated 24 hours.

EMC 23 I - 15 day stored blastoderm incubated 24 hours

EMC 23 J - Fresh blastoderm

EMC 23 K - 15 day stored blastoderm

EMC 23 L - Fresh blastoderm incubated 24 hours then held for 18 hours at 4C

EMC 23 M - Fresh blastoderm incubated 24 hours (small"dead")

EMC 23 N - 40 day stored blastoderm

EMC 23 O - 22 day stored blastoderm

EMC-23 P - 22 day stored blastoderm ("dead")?

EMC 23 Q - 40 day stored blastoderm incubated 24 hours

EMC 23 R - 2 day stored blastoderm incubated 38 hours

EMC 23 S - 22 day stored blastoderm incubated 24 hours

EMC 23 T - 3 day stored blastoderm

EMC 23 U - 50 day stored blastoderm

EMC 23 V - 50 day stored blastoderm incubated 36 hours

EMC 23 W - 2 day stored blastoderm incubated 38 hours then held for 16 hours at 5C.